Nav1.2 antibody

Cat. No. GTX54797

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, IP
Reactivity	Human, Mouse, Rat

Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
IP	Assay dependent

Not tested in other applications.

Calculated MW 228 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.8 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide (C)ASAESRDFSGAGGIGVFSE, corresponding to amino acid residues 467-485 (Intracellular loop between domains I and II) of rat NaV1.2 (Accession ：P04775).
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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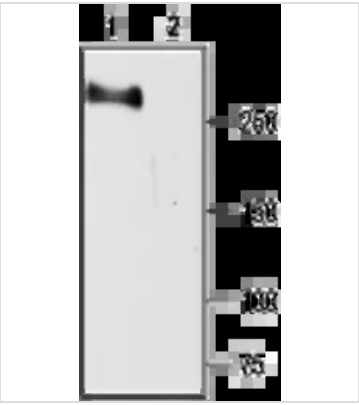
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Note

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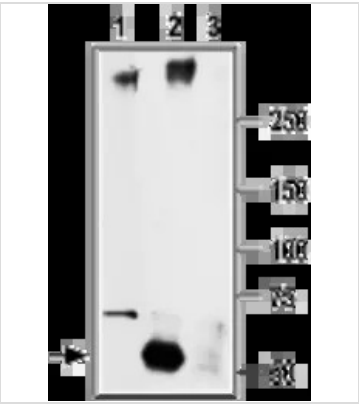
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DATA IMAGES



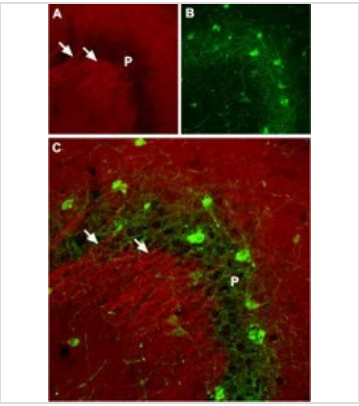
GTX54797 WB Image

WB analysis of rat brain membrane lysate using GTX54797 Nav1.2 antibody preincubated with or without immunogen peptide.
Dilution : 1:200



GTX54797 IP Image

IP analysis of rat brain tissue lysate using GTX54797 Nav1.2 antibody. The lower arrow indicates the IgG heavy chain.WB was performed with the GTX54797 antibody.
IP reaction : 6 µg
Lane 1 : Rat brain lysates
Lane 2 : Lysates immunoprecipitated with Anti-SCN2A (NaV1.2) Antibody
Lane 3 : Lysates immunoprecipitated with pre-immune rabbit serum



GTX54797 IHC-Fr Image

IHC-Fr analysis of mouse hippocampus tissue using GTX54797 Nav1.2 antibody.
Panel A : NaV1.2 (red) is present in dendrites of pyramidal neurons in the CA3 region.
Panel B : Staining of interneurons in the pyramidal layer with mouse anti-Parvalbumin (green) demonstrates the restriction of NaV1.2 to dendrites (arrows) extending from the pyramidal layer (P).
Panel C : Confocal merge of panels A and B.

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